



DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 20361-0001

IN REPLY REFER TO

NAVAIRINST 5400.130
AIR-1002
20 Oct 88

NAVAIR INSTRUCTION 5400.130

From: Commander, Naval Air Systems Command

Subj: DESIGNATION OF TOMAHAWK ALL-UP-ROUND PROGRAM (PMA280)

Ref: (a) DoD Directive 5000.1 of 1 Sep 87
(b) NAVAIRINST 5400.1B
(c) NAVAIRINST 5400.108
(d) NAVAIRINST 5400.14C
(e) SECNAVINST 5000.1B
(f) NMPC ltr 1611 NMPC-323 of 24 Aug 87 (NOTAL)

Encl: (1) Charter for the TOMAHAWK All-Up-Round Program Manager (PMA280)

1. Purpose. This instruction continues the TOMAHAWK All-Up-Round Program (PMA280) under direction of the Commander, Naval Air Systems Command (COMNAVAIR); assigns the program manager (PM); and issues a charter that provides the program's scope, operating relationships, organization, resources, and outlines the authority and responsibilities of the PM.

2. Background

a. The Cruise Missile Project (CMP) was established in the Naval Air Systems Command (NAVAIR), 19 December 1972. The project was under NAVAIR management and NAVAIR was assisted by the (former) Naval Ordnance Systems Command (NAVORD), and Naval Ship Systems Command (title for Naval Sea Systems Command (NAVSEA) at the time this program was established). A joint NAVAIR and NAVORD charter was published 16 April 1973, confirming the Cruise Missile Project as a designated project (project management air (PMA)) under direction of COMNAVAIR, assigned the PM and a NAVORD Deputy Program Manager.

b. On 30 September 1977, the Director of Defense Research and Engineering (DDR&E) declared the Joint Cruise Missiles Project as having the highest national priority and made the following changes:

(1) Effective 30 September 1977, the PM was instructed to report directly to the Chief of Naval Material (CNM) under the code PM3.

(2) Keep the program management responsibility in a joint Air Force and Navy program office (Joint Cruise Missiles Project Office (JCMPPO)) until competition was completed, a design selected, and a Defense Systems Acquisition Review Council at Milestone III approved production of the air-launched cruise missile (ALCM). After this was accomplished, the plan was to assign the ALCM and ground-launched cruise missile (GLCM) PM's responsibility to the Air Force and the submarine-launched cruise missile to the Navy.

(3) Policies and procedures were outlined by DDR&E and established by CNM.

c. Following deactivation of the Naval Material Command on 6 May 1985 by the Secretary of the Navy, JCMPO was to report directly to COMNAVAIR on all Navy TOMAHAWK matters and continue reporting to Commander, Air Force Systems Command on Air Force matters.

d. On 1 October 1986, in an agreement between the Air Force and Navy under the approved Cruise Missile Management Transition Plan of June 1985, JCMPO reverted to a Navy program and was redesignated the Program Director Air for Cruise Missiles (PDA14).

e. Effective 1 October 1986, the TOMAHAWK All-Up-Round Program (PMA280) was established within the PDA14 organization as a designated Naval Air Systems Command Headquarters PMA. PMA280 has management responsibility for the Navy TOMAHAWK All-Up-Round (AUR) variants, Air Force GLCM AUR, and the Air Force ALCM guidance elements. The management responsibility for common Air Force missiles and guidance systems will eventually transition to the Air Force Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio; and Oklahoma City Air Logistics Center, Tinker Air Force Base, Oklahoma.

3. Action

a. Effective 1 July 1987, CAPT Glenn P. Phillips, USN, was designated as PM of PMA280 to organize and execute the program following the authority and direction provided by enclosure (1). CAPT Gerald L. Smith served as PMA280 from 1 October 1986 through 30 June 1987. The PM receives authority from, and is responsible and accountable to COMNAVAIR for discharge of the latter's responsibility for PMA280. The Director, CMP has responsibilities as specified in reference (a) and is directly accountable to COMNAVAIR, the Program Executive Officer. The Director, CMP provides oversight, monitors and evaluates the ongoing performance of PMA280 throughout its life cycle, makes recommendations as appropriate, and advises COMNAVAIR of program status and progress. The PM and the Director, CMP will keep the NAVAIR Acquisition Executive and Deputy Commander for Operations (AIR-01) informed on program status.

b. Functional organizations of NAVAIR will support the PM as specified in references (a) through (e), enclosure (1), and other applicable directives issued by higher authority. Reference (f) establishes other requirements and responsibilities and is addressed in enclosure (1).

4. Approval. The charter (enclosure (1)) is hereby approved.



J. B. WILKINSON

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CHARTER
FOR THE
TOMAHAWK ALL-UP-ROUND PROGRAM MANAGER (PMA280)

Ref: (a) DoD Directive 5000.1 of 1 Sep 87
(b) NAVAIRINST 5400.1B
(c) NAVAIRINST 5400.108
(d) NAVAIRINST 5400.14C
(e) SECNAVINST 5000.1B
(f) NMPC ltr 1611 NMPC-323 of 24 Aug 87 (NOTAL)

1. Introduction

a. Purpose. This charter provides the mission, authority, and responsibility of the TOMAHAWK All-Up-Round Program Manager (PMA280) and outlines the program's scope, operating relationships, organization, and resources.

b. References. This program will be conducted following management principles identified in references (a) through (f).

2. System Description. The TOMAHAWK All-Up-Round Program provides the flyaway element of the overall TOMAHAWK weapon system. Other elements are weapon control and launcher system aboard the combatant surface ships and attack submarines; and theater mission planning center which provides necessary target and overland routing information. The TOMAHAWK missile system consists of an all-up-round that is available in one of four variants. Three of these variants, one nuclear and two conventional warhead equipped, are used against land based targets. The fourth variant, equipped with a conventional warhead, is an antisurface ship weapon. The TOMAHAWK missile is launched from an armored box launcher from surface ships and from torpedo tubes on attack submarines. In the coming fiscal years, TOMAHAWK will be vertically launched from both surface ships and submarines. Technical details and operating characteristics are contained in the TOMAHAWK Long Range Master Plan. A specific operational requirement for the TOMAHAWK weapon system was issued on 15 November 1974.

3. Mission. The Program Manager's (PM's) primary mission is to provide the operating forces with TOMAHAWK missiles that are fully developed, reliable, maintainable, and available during deployments. This missile, when employed with other elements of the TOMAHAWK weapon system, will be capable of meeting operational requirements.

4. Scope

a. The scope of the Cruise Missiles Project (CMP) consists of the development, test and evaluation, acquisition, production, and initial support and readiness improvement of the TOMAHAWK missile system. This includes missile subsystems and components, software, spares, repair parts, peculiar and common support equipment, test equipment, missile system trainers, and necessary supporting documentation. Procurement will include quantities for

the Navy and Air Force ground-launched cruise missile (GLCM) common items and air-launched cruise missile (ALCM) engines and guidance elements. The scope also includes necessary development, test and evaluation efforts for a long-term TOMAHAWK improvement program. The priorities of these improvements are those already approved for incorporation and those programed improvements listed in the TOMAHAWK Long Range Master Plan.

b. Funds listed in the Five-Year Defense Plan and assigned to the PM for obligation in execution of program objectives are included in program elements 64367,N (Navy) and 28009,N. Research Development Test and Evaluation, Navy, Weapons Procurement, Navy, Other Procurement, Navy, and Operations and Maintenance, Navy funds are presently assigned to the program.

c. This is an acquisition category II program.

d. The PM's billet (military officer (O-6)) is equivalent to a major command.

e. This is a major program.

5. Authority and Responsibilities

a. CAPT Glenn P. Phillips, USN, is assigned as PM of PMA280. The PM is the single central executive responsible for successfully managing the program and accomplishing the objectives stated in this charter. The PM has broad directive authority within the scope of the program over the planning, directing, controlling and utilization of resources for the approved program and over the program efforts of in-house and contractor organizations. This includes assignment of responsibility, as appropriate, to the various Naval Air Systems Command Headquarters (NAVAIRHQ) functional organizational elements within the overall framework outlined in references (b) through (d). As the responsible executive, the PM is expected to act on matters affecting the program. In those cases where action is required beyond authority granted in this charter, the PM will refer action to higher authority with recommendations, including alternatives available. Responsibilities of the PM are outlined in references (a) and (e).

b. The PM is authorized to prepare and sign fitness reports, following reference (f), for all military personnel (commander and below) assigned full time to the program office, and to execute applicable performance evaluations for civilian personnel assigned full time to that office. The PM may submit concurrent fitness reports on other officers, junior to the PM, working for PMA280 in the functional support groups.

c. When an official above the PM exercises decision authority on program matters, the decision will be documented, with a copy to the decision authority, as official program direction to the PM. The official will be held responsible for the decision, following reference (e).

6. Limitations of Authority

a. The PM does not have authority to deviate from policy established by higher authority.

b. Communication, action, or inaction in any form which contractors may interpret as direction will be conducted only through an appropriately assigned contracting officer.

7. Relationship to Chartering Authority. The PM receives authority from, and is responsible and accountable to the Commander, Naval Air Systems Command (COMNAVAIR) for discharge of the latter's responsibilities for PMA280. The Director, CMP is responsible for managing the total TOMAHAWK Program, and is directly accountable to COMNAVAIR, the Program Executive Officer, following reference (a). The Director, CMP will write the PM's fitness report, and the PM will report directly to the Director, CMP for program management direction. Matters requiring COMNAVAIR's attention will first be coordinated with the Director, CMP who will, if possible, accompany the PM to see COMNAVAIR. When the Director, CMP is unavailable and urgency dictates immediate communication with COMNAVAIR, the PM will brief the Director, CMP as soon as possible.

8. Specific Interface and Operating Relationships. The PM will accomplish the following:

a. Coordinate appropriate interface segments of the program with other PM's and systems commands (SYSCOM's) to ensure a totally coordinated effort. The PM will establish and issue design interface specifications to ensure this missile system integrates effectively with the weapon control systems of surface ships and submarines and properly employs data products from TOMAHAWK Command and Control Systems per operational requirements.

b. Maintain active liaison with cognizant program coordinators within the Office of the Chief of Naval Operations (OPNAV); Commandant of the Marine Corps; Chief of Staff, U.S. Air Force; and Secretary of the Navy, via chain of command and consistent with the Navy Programming Manual. The PM will keep OPNAV personnel fully informed on status and progress of the program through formal and informal communications. The Chief of Naval Operations (CNO) will direct and control the activation and deployment of the TOMAHAWK weapon system into the fleet. CNO will direct which variants of the TOMAHAWK missile system will be employed with each class of ship.

c. Provide guidance and assistance to participating organizations for common and peculiar support equipment and test equipment in order that they may plan, procure, and effect timely deliveries of such equipment in support of TOMAHAWK missile system deliveries.

d. Keep the Office of Vice Commander (AIR-09), Military Affairs Officer (AIR-09X) informed of military personnel requirements.

e. Report to the Director, CMP, any pattern of failures affecting the TOMAHAWK missile system or related equipment and propose the appropriate course of action to be taken to correct the defect in the most expeditious and economical manner.

f. Maintain a continuing review of operational requirements, including inventory objectives established by higher authority to ensure timeliness, accuracy, consistency, and compatibility with program plans and funding

availability. When inconsistent and incompatible requirements and objectives cannot be resolved by the PM, the problems and recommendations will be submitted, in writing, to the Director, CMP and appropriate higher authority for resolution.

g. Maintain a continuing review of logistic support to ensure such support is compatible with approved program and operating objectives. Where differences exist and cannot be resolved by the PM, the problem and recommended solution will be submitted to the Director, CMP, or higher authority, for resolution.

h. When appropriate, establish requirements for and acquire special facilities necessary to develop, test, evaluate, install, train, operate, and maintain the TOMAHAWK missile system and supporting devices. Identify facility requirements to participating organizations in order for planning, programming, and construction schedules to meet Program milestones. The PM will ensure that facilities planning factor criteria are developed with Naval Facilities (NAVFAC) Engineering Command Headquarters (Code 2013) representatives and published in NAVFAC P-80.

i. Review the CMP Test and Evaluation Master Plan to ensure that specific requirements have been fully coordinated and integrated with the requirements of the Cruise Missiles Command and Control Program (PMA281), and Surface Ship Cruise Missiles Weapon Systems Program (PMA282). The PM will maintain close working relationships with cognizant personnel of the TOMAHAWK Test and Evaluation Division (PDA14-TE) during developmental test and evaluation and jointly assure the Director, CMP and higher authorities concerning the readiness of the TOMAHAWK missile system element of the weapon system for operational evaluation or fleet use. The PM, in conjunction with PDA14-TE, will maintain active liaison with cognizant personnel in OPNAV, Operational Test and Evaluation Force, and the Office of Secretary of Defense on operational test and evaluation of the TOMAHAWK missile element of the weapon system. When concurrent evaluations (technical and operational) are conducted, the PM will ensure that CMP's responsibilities for technical phases are coordinated and carried out.

j. The PM will direct the TOMAHAWK Readiness and Fleet Support Division (PDA14-04) in the procurement of test and peculiar support equipment, technical documentation, trainers, training equipment and devices, as required. Requirements of the PM will be given maximum support in development of total CMP requirements. Concurrence of the PM on program requirements will be obtained prior to budgetary submissions.

9. Program Staffing and Organization. The program office will be organized by and function under direction of the PM. Its initial organization and staffing requirements are shown in attachment A. Other billets may be added as required and approved by higher authority.

10. Participating Organizations

a. The PM will be fully supported by functional organizations of NAVAIRHQ, when applicable, under responsibilities in references (b) and (c). Representatives of these organizations are provided in attachment B, and

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other codes will be added as necessary. NAVAIRHQ support also includes military and civilian personnel services, space allocations, office services, security, graphic arts, communications, and other support as necessary. When conflicts between program and functional policies and objectives develop that cannot be resolved, the matter will be referred to COMNAVAIR via the Director, CMP for resolution. Actions directed by the PM will be continued until resolution. The PM is authorized direct liaison with all NAVAIRHQ divisions and directorates in fulfilling responsibilities.

b. SYSCOM's will support the PM following material support responsibilities assigned by OPNAV.

c. Field activities participating in the program are listed in attachment C. Other activities may be added as required. The PM is authorized direct liaison with all Naval Air Systems Command (NAVAIR) field activities concerned with the program, following reference (d). Formal work assignments to NAVAIR activities will be coordinated through the appropriate functional organization in NAVAIRHQ under established procedures.

d. Headquarters, U.S. Marine Corps and other Marine Corps activities will support PMA280 as required.

11. Congressional and Public Information. COMNAVAIR is responsible for coordinating and disseminating public information relative to the program within the Department of Defense, other federal agencies, Congress and its supporting staff, to industry, and the general public. This responsibility has been delegated to the PDA14 Legislative and Public Affairs Office (PDA14-00D). The PM will forward all public information and Congressional issues, via the Director, CMP, to PDA14-00D.

12. Resources Assessment

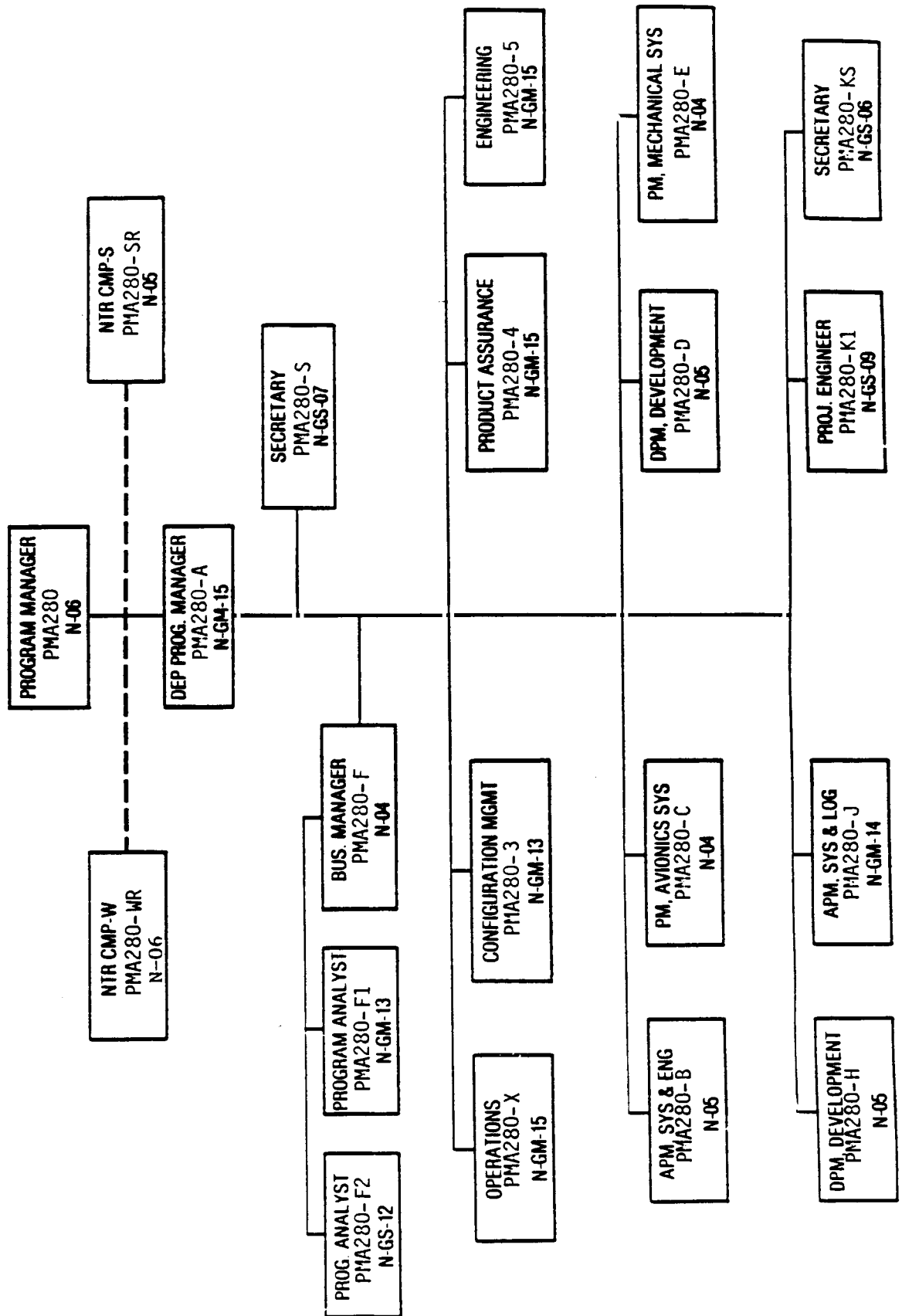
a. The PM will evaluate and document the effect of proposals to increase or decrease resources authorized to execute the program, and will determine the effect of proposed changes on approved cost, schedules, procurement plans, and performance objectives. Officials having final decision authority during programming, reprogramming, and budgeting deliberations will consider the PM's evaluation.

b. COMNAVAIR will be informed, via the chain of command, in any situation where requirements of the program cannot be completed within the resources and time available.

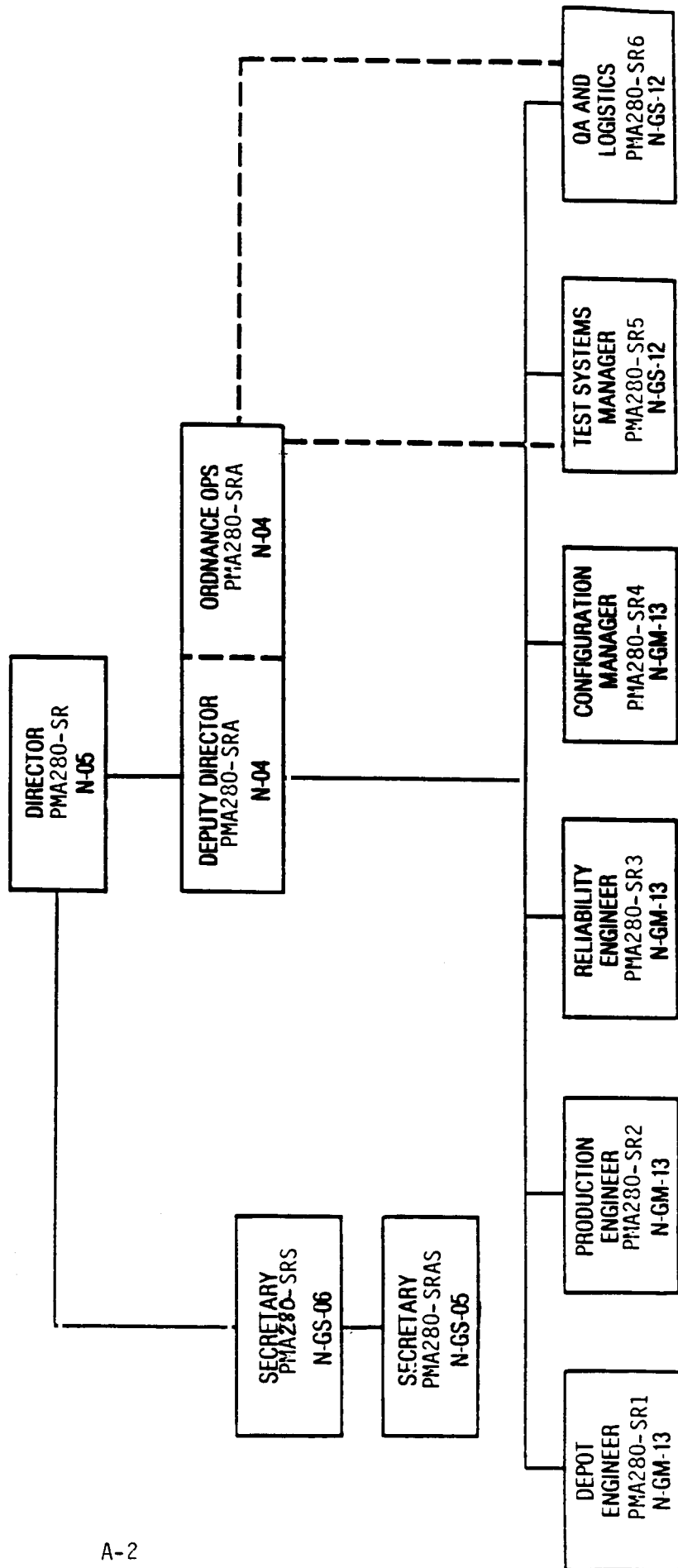
13. Program Transition or Disestablishment. This program will be reviewed periodically to determine if objectives have been accomplished. If the review indicates objectives have been or are about to be accomplished, the PM will develop a transition plan to ensure a smooth disposition of remaining resources, responsibilities, and functions.

TOMAHAWK ALL-UP-ROUND PROGRAM (PMA280)

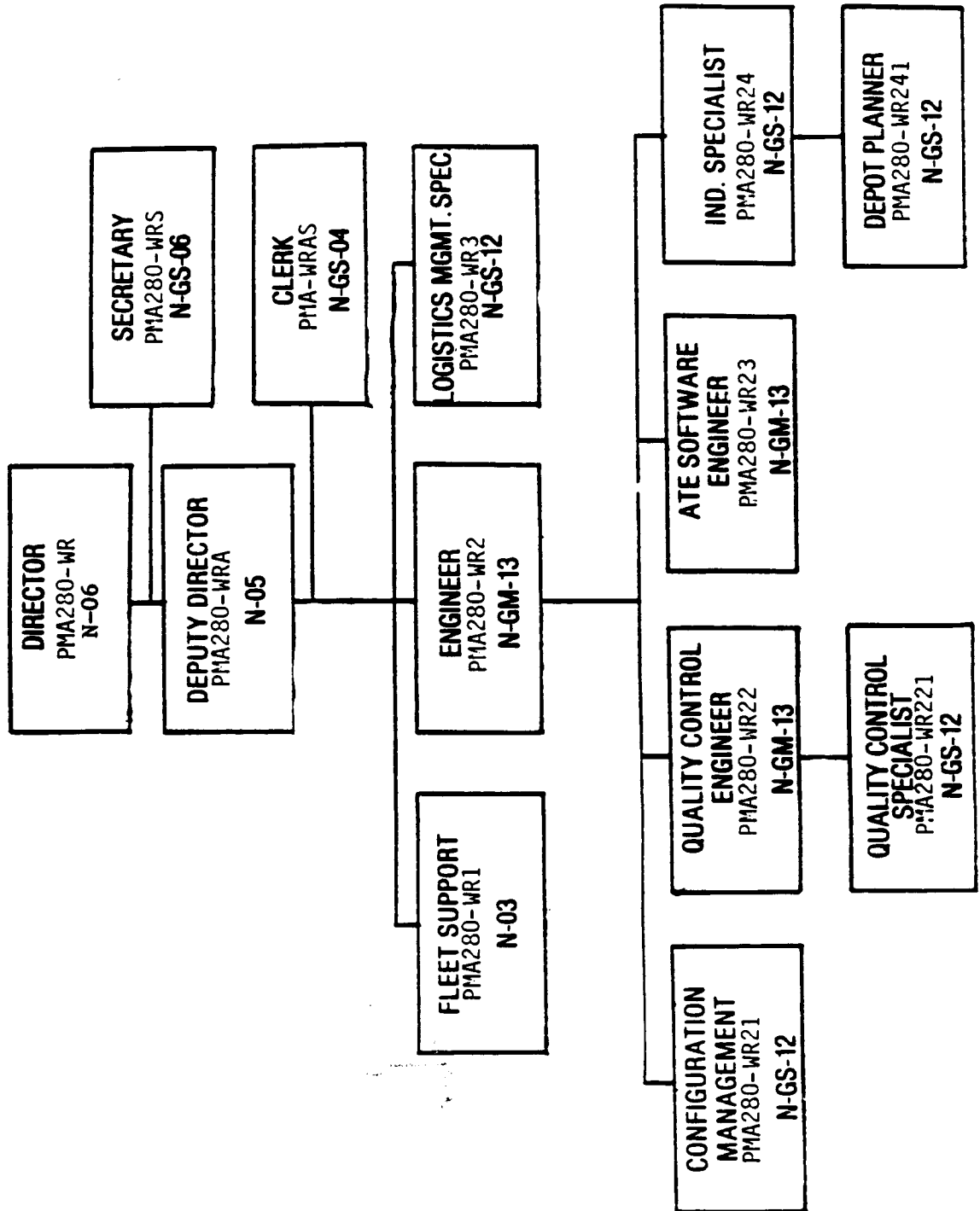
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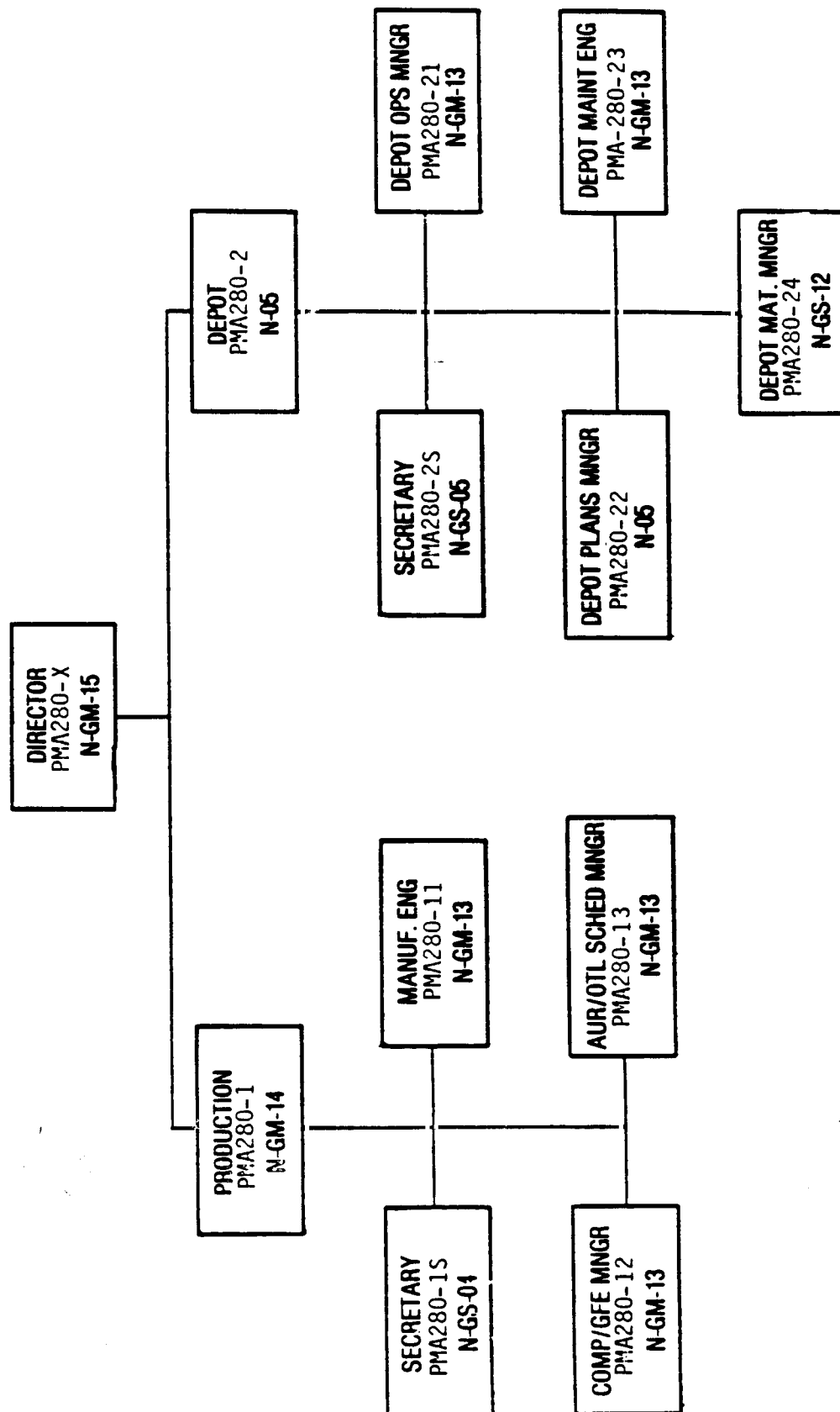
NAVY TECHNICAL REPRESENTATIVE CRUISE MISSILES PROJECT SOUTHERN REGION - TITUSVILLE, FL (PMA 280SR)



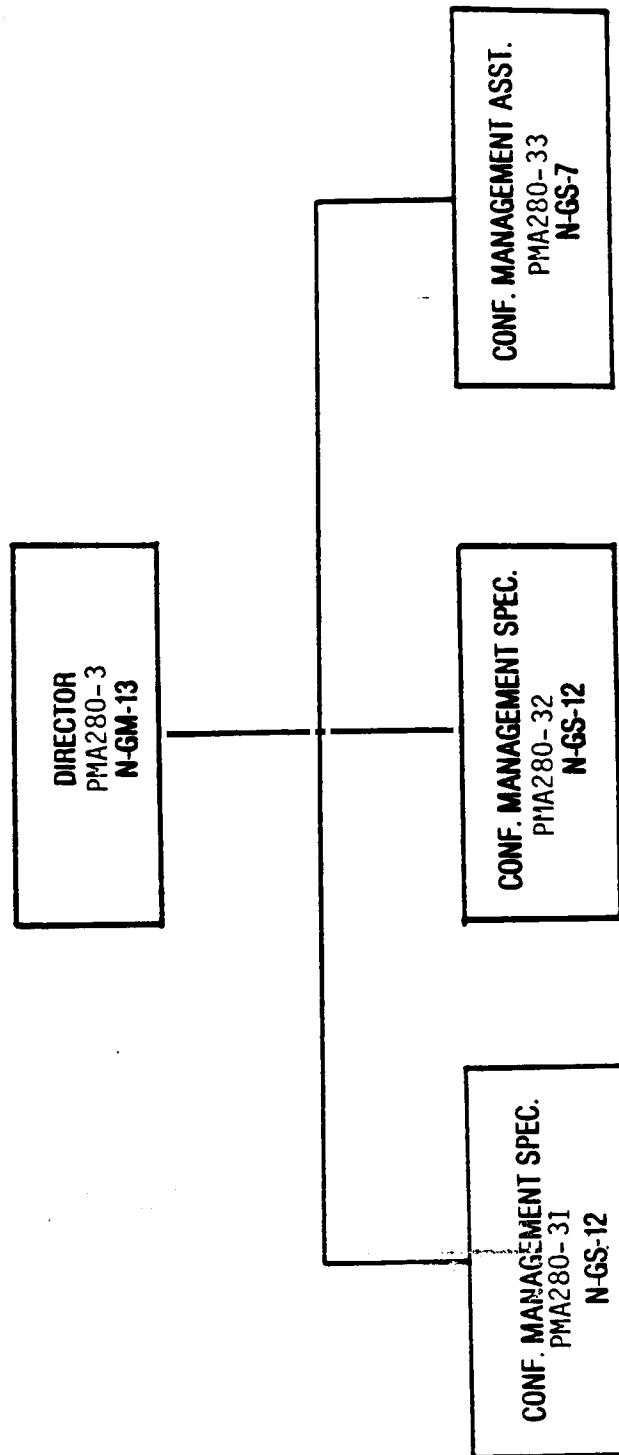
NAVY TECHNICAL REPRESENTATIVE CRUISE MISSILES PROJECT WESTERN REGION - SAN DIEGO (PMA280WR)



TOMAHAWK ALL-UP-ROUND PROGRAM (PMA280) OPERATIONS DIVISION (PMA280X)

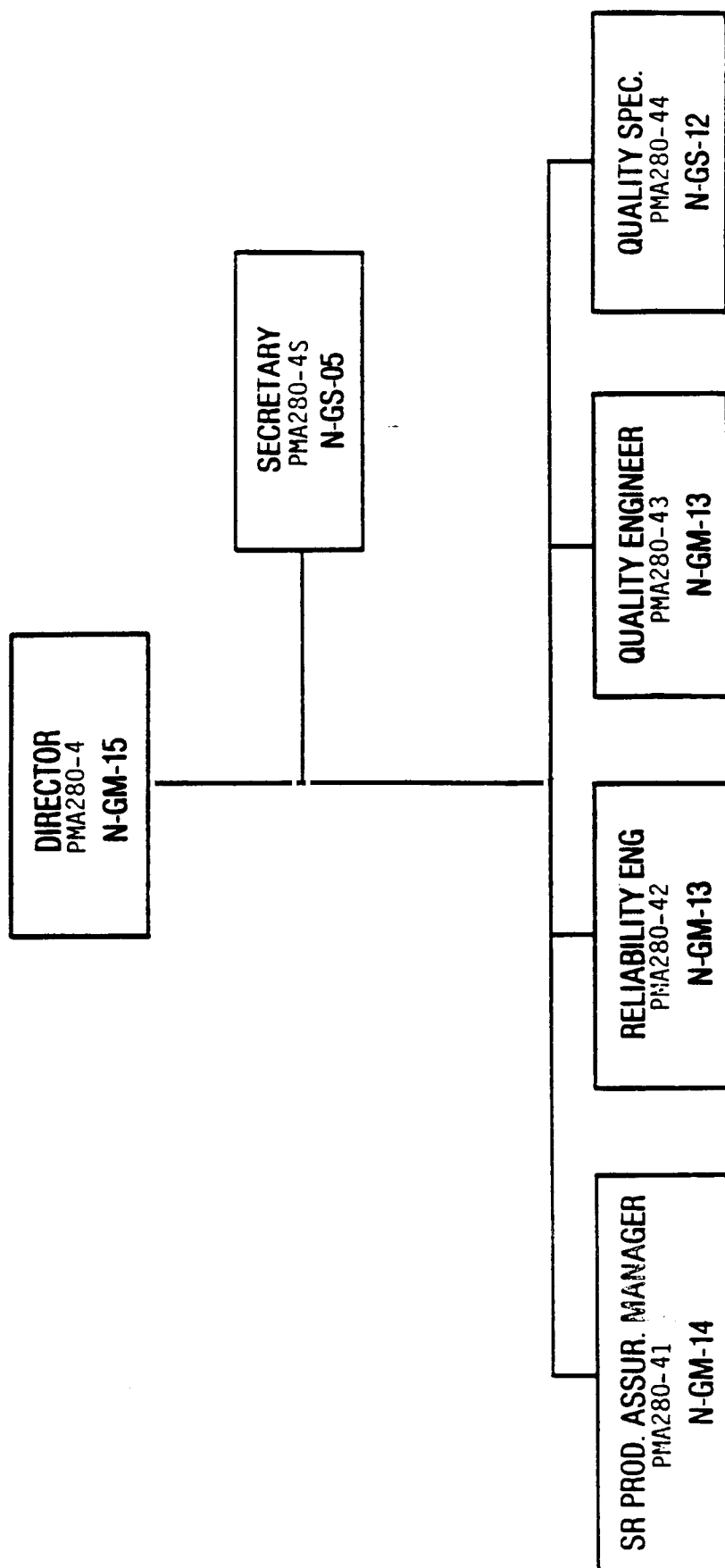


**TOMAHAWK ALL-UP-ROUND PROGRAM (PMA 280)
CONFIGURATION MANAGEMENT DIVISION (PMA 2803)**

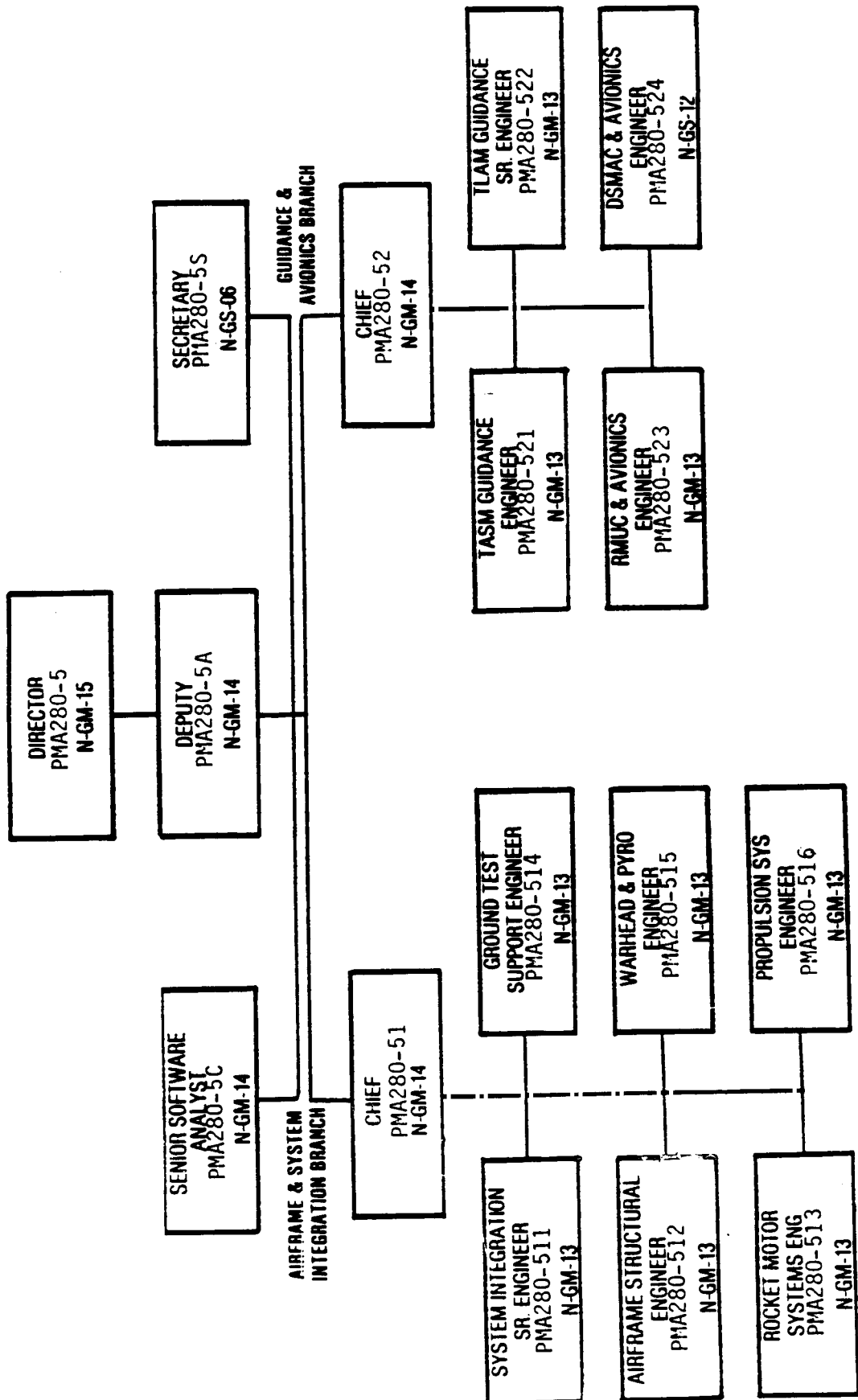


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TOMAHAWK ALL-UP-ROUND PROGRAM (PMA 280) PRODUCT ASSURANCE DIVISION (PMA 2804)



TOMAHAWK ALL-UP-ROUND PROGRAM (PMA 280) ENGINEERING DIVISION (PMA 2805)



OTHER KEY MANPOWER RESOURCES

COLLOCATED FUNCTIONS

TITLE

CODE

Legal Counsel (Cruise Missiles)

AIR-00C6

Cruise Missiles Contracts Division

AIR-217

Cost Analysis Division (Cruise Missiles)

AIR-52444

Head, Accounting Operations and Other
Customer Budget Execution

AIR-8023

ACTIVITIES PARTICIPATING IN THE PROGRAM

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>EXAMPLES/TYPE OF WORK</u>
Naval Weapons Center	China Lake, CA	All-Up-Round principal support laboratory development/support, rocket and warhead, support guidance and control subsystems
Pacific Missile Test Center	Point Mugu, CA	Test and evaluation management and support
Naval Ordnance Station	Indian Head, MD	Booster motor test set, simulator support
Naval Ship Weapon Systems Engineering Station	Port Hueneme, CA	TOMAHAWK shipboard command and launch, system/support equipment, canister subsystem
Naval Ocean Systems Center	San Diego, CA	Over-the-horizon targeting support
Naval Undersea Systems Center	Newport, RI	Submarine fire control systems and TOMAHAWK command and launch system/ support equipment
Naval Weapon Station	Concord, CA	Missile handling
Naval Weapon Station	Yorktown, VA	Missile handling
Operational Test and Evaluation Force	Norfolk, VA	Operational evaluation
Johns Hopkins University Applied Physics Laboratory	Laurel, MD	TOMAHAWK technical direction agent, over-the-horizon support and track control group engagement planning algorithms and guidance/ computer design development and testing support
Naval Air Technical Services Facility	Philadelphia, PA	Technical publications and documentation

ACTIVITIES PARTICIPATING IN THE PROGRAM (con.)

<u>ACTIVITY</u>	<u>LOCATION</u>	<u>EXAMPLES/TYPE OF WORK</u>
Naval Sea Systems Command	Washington, DC	Ship certification, technical support
Navy Ships Parts Control Center	Mechanicsburg, PA	Program support inventory control point management
Fleet Analysis Center Naval Weapons Station Seal Beach, Fallbrook Annex	Fallbrook, CA	Missile tracking
Naval Weapons Station Seal Beach	Pomona, CA	Equipment calibration
Naval Weapons Station	Seal Beach, CA	Warhead handling
Naval Weapons Handling Center, Earle	Colts Neck, NJ	Handling equipment
Naval Weapons Station	Charleston, SC	Missile handling
Naval Avionics Center	Indianapolis, IN	Avionics technical support
Naval Air Engineering Center	Trenton, NJ	Engine testing
Naval Weapons Evaluation Facility	Kirtland AFB Albuquerque, NM	Technical assistance and development procedures for conventional weapon loading, unloading, and aircraft preloading checks.